

**To:** Pat Knight[pknight@synapse-energy.com]; DeYoung, Robyn[DeYoung.Robyn@epa.gov]  
**Cc:** avert@erg.com[avert@erg.com]; AVERT[AVERT@epa.gov]  
**From:** Jeremy Fisher  
**Sent:** Wed 6/3/2015 12:28:27 AM  
**Subject:** RE: (001153532) Contact Avert

If the CSP is thermal then it would have a delay and smear in it I think. Mostly if it has storage like salt or oil.

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: Pat Knight <pknight@synapse-energy.com>  
Date: 06/02/2015 2:38 PM (GMT-06:00)  
To: "DeYoung, Robyn" <DeYoung.Robyn@epa.gov>  
Cc: avert@erg.com, Jeremy Fisher <jfisher@synapse-energy.com>, AVERT <AVERT@epa.gov>  
Subject: RE: (001153532) Contact Avert

Robyn,

Are you talking about CSP? CSP is generally (to my knowledge, only) available at utility-scale. I'm not really sure why CSP would have a different hourly profile than PV (maybe to account for storage), but I wanted to leave a door open to future changes.

-Pat

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Patrick Knight  
Associate  
Synapse Energy Economics  
485 Massachusetts Ave, Suite 2  
Cambridge, MA 02139

Direct Line: 617-453-7051  
Main Synapse Line: 617-661-3248  
Email: pknight@synapse-energy.com

-----Original Message-----

From: DeYoung, Robyn [mailto:DeYoung.Robyn@epa.gov]  
Sent: Tuesday, June 02, 2015 3:19 PM  
To: Pat Knight  
Cc: avert@erg.com; Jeremy Fisher; AVERT  
Subject: Re: (001153532) Contact Avert

Awesome thanks! For the second question I wasn't sure if the solar they were referring to was utility scale or something else?



Thanks  
Robyn

> On Jun 2, 2015, at 2:14 PM, Pat Knight <pknight@synapse-energy.com> wrote:

>

> This is actually a similar question to the one we got from Jon Levy a few weeks back. Here's my proposed response:

>

> "AVERT models manually inputted energy efficiency as being demand reductions at the source of power generation, not at the installation site of the energy efficiency. As a result, users should not "gross up" EE & DG inputs to account for avoided line losses, as this calculation is already being accounted for. Future versions of AVERT may make this distinction clearer, and may allow users to choose which "gross up" factor they would like to use for their region."

>

> -Pat

>

> -----

> Patrick Knight

> Associate

> Synapse Energy Economics

> 485 Massachusetts Ave, Suite 2

> Cambridge, MA 02139

>

> Direct Line: 617-453-7051

> Main Synapse Line: 617-661-3248

> Email: pknight@synapse-energy.com

>

> -----Original Message-----

> From: Avert [<mailto:Avert@erg.com>]

> Sent: Tuesday, June 02, 2015 2:09 PM

> To: Jeremy Fisher; Pat Knight

> Cc: DeYoung, Robyn; AVERT

> Subject: FW: (001153532) Contact Avert

>

> Hi Jeremy and Pat,

>

> I am forwarding another AVERT Help Desk question. Do you know how to answer it?

>

> Thank you,

> Rebecca

>

>

> -----Original Message-----

> From: idaemon@unixmail.rtpnc.epa.gov [<mailto:idaemon@rtpnc.epa.gov>]

> Sent: Monday, June 01, 2015 3:36 PM

> To: avert@epa.gov; Avert

> Subject: (001153532) Contact Avert

>

> UserWord

> human

> Word

> human

> \_01\_name

> Andrew Benson

> \_02\_title



> Associate Energy Specialist  
> \_03\_organization  
> California Energy Commission  
> \_04\_email  
> andrew.benson@energy.ca.gov  
> \_05\_lookingfor  
> Does the model differentiate between energy efficiency & distributed generation and utility-scale generation? The reason I ask is because a megawatt of reduced load is slightly more valuable than a megawatt of clean utility-scale generation, due to the energy losses in transmission and distribution. Should a user "gross up" EE & DG inputs to account for avoided line losses?  
> \_14\_Submit  
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